
Rinnai
Behind the magic of hot water
GAS & ELECTRIC HOT WATER HEATING COLLECTION

the range

When it comes to hot water, we know our stuff. We'll help you choose the option that works best for you and your lifestyle – and we'll keep it simple too! At Rinnai we aim to make the hot water in your home as efficient to create – and use – as possible.

Rinnai, 2013

Ray Ferner
Managing Director

Gas Water Heater Range:

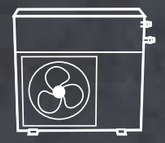
Rinnai knows that simple is beautiful, which is why Rinnai INFINITY® continuous flow gas hot water systems keep it just that – simple. You'll never run out of hot water and you won't pay to keep it continuously hot either.

pg 10-23

Electric Hot Water Cylinder Range:

Enjoy hot water the way it should be – ready and waiting! Rinnai's Electric Hot Water Cylinder range provides a cylinder of hot water that is ready when you are, costing you less upfront and keeping everyone satisfied.

pg 24-35



Hot Water Heat Pump:

It's no secret that we want to reduce our carbon footprint with reduced energy consumption – so get what you want with a Rinnai Hot Water Heat Pump! The ideal partner for eco-conscious homeowners, a Hot Water Heat Pump is the sensible choice.

pg 36-41

Instant Hot Water Range:

Get boiling water in an instant with Rinnai Instant Hot Water Dispensers. With automatic filling and boiling, it couldn't be easier – or more effective.

pg 42-45

Central Heating:

Create a warm environment in every room of your home with the Rinnai iHeat® Central Heating system, which utilises the Rinnai INFINITY® continuous flow gas hot water to give you the heat you desire.

pg 46-51

Technical section:

Find out all the features and specifications of your selected Rinnai water heating solution.

pg 52-59

The perfect mix

Rinnai and HJ Cooper™ unite

Like marmite on toast or woolly hats and winter – Rinnai and HJ Cooper™ are the perfect mix! With our top of the range continuous flow gas water heaters and HJ Cooper's top of the range electric cylinders, combined with superior after sales service and support, we truly are a match made in heaven!

HJ COOPER By Rinnai

Hot water in demand? Get it on demand with Rinnai

As experts in water heating, we deliver hot water on demand to New Zealanders. Wash the dishes, wash the kids – wash the dog! Whatever your hot water needs may be, we're here to help.

And now for a little showing off...

Recent star rating improvements to Rinnai INFINITY® VT and HD gas water heaters mean these products now deliver even more energy efficiency than ever before. We've achieved the Highest Star Rating in the standard continuous flow gas water heating category.

Lower running costs

You'll save up to 72% of your running costs using Natural Gas compared to an electric hot water cylinder[2], so you've got more spare change to do the things you love!

More efficiency

We deliver the best and most efficient products with high end performance and delivery – no compromise.

Heat exchanger and parts warranty is extended two additional years when a controller is purchased and used in a domestic application.

Help is here

Quality

Through precision manufacturing and an ongoing focus on quality, we have built our reputation for outstanding reliability.

Warranty

Rinnai stands behind everything we sell to bring you peace of mind with our manufacturer's warranty. Some products have an extended warranty. Refer to www.rinnai.co.nz/warranty for full details of Rinnai warranties for individual products.

Support

We operate a New Zealand based customer service centre where we answer all product queries for our customers, including homeowners, retailers, architects, plumbers, builders and gas fitters.

Industry Training

We provide technical training for hundreds of gas fitters, plumbers, architects, installers and service centres every year. We have online study options to keep installers up-to-date at www.rinnaitraining.co.nz

Servicing / Installation

If you ever require service work or installation, simply call the 0800 Rinnai number to access one of 76 independent service centres who will provide expertise and help whenever you need it. Service centre technicians receive ongoing Rinnai training so you can rest assured you are in good hands.

Safety

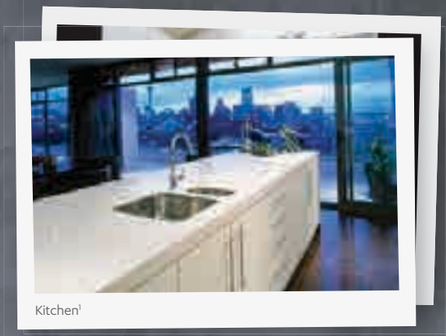
All Rinnai appliances meet or exceed the safety standards required by the New Zealand Gas and Electrical regulations.

Contact Us

For more on products and innovations please contact us on **0800 Rinnai (746 624), info@rinnai.co.nz, www.rinnai.co.nz, www.facebook.com/rinnainz** or see us on YouTube **www.youtube.com/rinnainz**

Industry Associations

As a market leader within our industry Rinnai New Zealand has partnerships with the following organisations:


Kitchen[1]


Kitchen


Kitchen[2]


Kitchen[3]


Bathroom[4]


Bathroom[4]

Images: [1]ROXX Essence 60mm island benchtop with undermount bowl. [2]ROXX Cartel benchtop & matching floor tiles. [3]ROXX Matrix 60mm bench top & 100mm waterfall ends. [4]Tiles by Tile Warehouse.

a touch of magic

Product research &
design never stops at Rinnai.

Innovation should be our middle name.

Our world class Research and Development division ensures we use innovative technology that creates hard working products that are easy to use.

Beautiful and clever design means everything.

When you choose a Rinnai product we want you to be proud of it. This means we design first-rate products that incorporate the latest thinking in design and function. We understand that beauty and brains are a winning combo.

Efficiency is king.

Up to a third of New Zealand's domestic energy use is consumed for water heating.* We take every opportunity to improve the efficiency of our products in the knowledge that this will reduce your running costs and hopefully shrink those awful power bills.

We think responsibly and care about our environment.

With the world's limited resources we all have a responsibility to make the most of what we have. Rinnai delivers highly efficient products to help you use less natural resources. Every little bit helps.

*Varies per household. Source: EECA website

Scan this QR code to view the range online

Create an endless oasis

GAS HOT WATER RANGE

How Continuous Flow gas hot water systems work

Standard Continuous Flow Gas Water Heater Range

The Rinnai standard VT range brings you the highest star ratings available in the country, giving you more savings and more of what you need, for less. Our standard continuous flow systems includes Rinnai INFINITY® VT and HD gas hot water, which provide a simple, clever way to enjoy a continuous flow of hot water. Forget storage tanks and the headache of running out of hot water – with a Rinnai INFINITY® gas hot water system you'll enjoy hot water whenever – and wherever – you need it.

Step by step

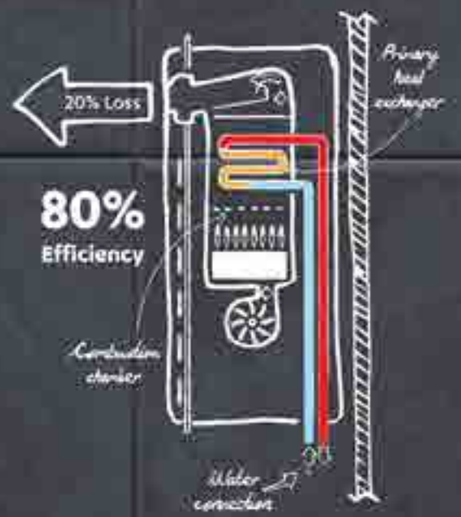
When a tap or shower is turned on, the system instantly starts working as water starts to flow through the appliance.

The combustion fan starts.

Ignition begins (this requires electricity) and then a gas valve opens.

Once the flame is established the appliance will heat the water as it is required by the digital controller or until you turn off the tap.

STANDARD CONTINUOUS FLOW UNIT



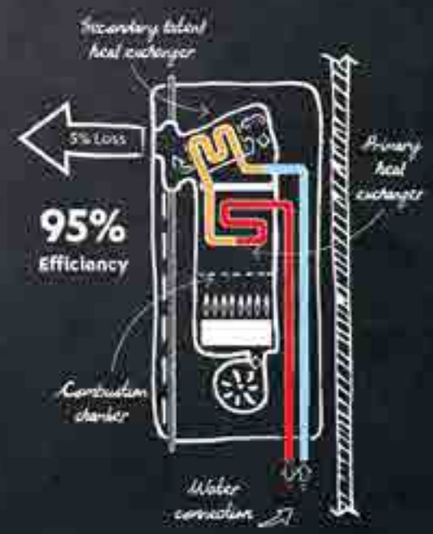
Condensing Continuous Flow Gas Water Heater Range

This is our most efficient continuous flow system. Rinnai INFINITY® EF condensing continuous flow gas water heaters effectively captures waste heat from the flue gas through the use of a secondary heat exchanger to help heat the water with less energy. And the best bit? Heating your water with less energy can save you up to 72%[2].

Step by step

1. Cold water enters the appliance.
2. Cold water travels to the secondary latent heat exchanger where heat is transferred to the cold water. The water temperature increases by approximately 5°C.
3. Water flows to the primary heat exchanger and is heated. As the water is preheated it uses less energy to reach the required temperature.
4. The hot water keeps flowing until you turn off the tap or the Digital controller turns off the system for you.

CONDENSING CONTINUOUS FLOW UNIT



Rinnai INFINITY®

Outdoor Continuous Flow Gas Water Heater

One of the sharpest tools in the shed, the Rinnai INFINITY® outdoor continuous flow gas water heater is clever, contemporary and a cinch to operate. Enjoy a system that heats your water when you need it – and the peace of mind that the hot water won't run out! The Rinnai INFINITY® gas water heater is a nifty little system – able to be installed outside, you won't have to sacrifice any of your indoor living space.

Key benefits and features:

- Cost Efficient: Only pay to heat the water you use. Low running costs compared to electric storage cylinders
- Efficient Design: Multiple units can be manifolded together to make larger systems with each appliance having equal running hours plus extra hot water capacity
- Space Saving: Located outside to give you more space indoors
- Clever Design: These systems modulate to heat water at lower flow rates
- Adaptive: Supports lower flow rates required of new tap and bathroomware

Rinnai INFINITY® VT:

- Designed for homes requiring endless hot water with lower yearly running costs and a lower set up initial cost
- Up to 80% thermal efficiency

Rinnai INFINITY® HD:

- Designed for domestic or commercial users that need higher flow rates or have larger water use requirements
- Up to 80% thermal efficiency

Rinnai INFINITY® EF:

- Ideal for the environmentally conscious who want to significantly reduce running costs and lower energy usage, whilst still having the luxury of endless hot water
- Up to 95% thermal efficiency

Rinnai INFINITY® EF250 (grey unit) and Rinnai INFINITY® EF24 (white unit)

Rinnai INFINITY® with pipe cover

INFINITY® VT16 - 16L/min*

INFINITY® VT20 - 20L/min*

INFINITY® VT24 - 24L/min*

INFINITY® VT26 - 26L/min*

INFINITY® EF24 - 24L/min*

INFINITY® EF250 - 32L/min*

Infinity HD200 – 26L/min*

INFINITY® HD250 - 32L/min*

See the specifications on page 56

10 YEAR WARRANTY PRO RATA ON HEAT EXCHANGER^

3 YEAR WARRANTY ON PARTS AND LABOUR^

*The L/min is the nominal water capacity at a 25° rise. **EF Models: Save up to 72% of running costs with Natural Gas or up to 41% with LPG compared to electric storage cylinder [1,2,4,7] ***HD Models: Save up to 68% of the running costs with Natural Gas or up to 33% with LPG compared to an electric storage cylinder [2,3] ****VT Models: Save up to 69% of the running costs with Natural Gas and 34% with LPG compared to an electric storage cylinder [2,3] ^ Please refer to Limited Warranty statement on Rinnai Continuous Flow Water Heaters at http://www.rinnai.co.nz/warranty.html

Rinnai INFINITY®

Indoor Continuous Flow Gas Water Heater

Showcasing heating brilliance, our 'behind the scene' water heater boasts innovation plus! No matter where you want to install it* – hidden in a cupboard, up in the attic, the Rinnai INFINITY® gas water heater will operate efficiently and effectively.

Key benefits and features:

- Aesthetics: no Rinnai INFINITY® visible on the outside of the house
- Flexible installation: Flue installation can be vertical, horizontal or a combination of both to maximise the locations that the unit can be installed
- Large installations: Multiple units can be manifolded together to provide extra hot water for large homes or commercial use
- Proximity to outlets: the closer to outlets means you get your hot water faster. Ideal when there would be a long pipe to reach the outlet if an outside installation was used.

INFINITY® EFi250

- Condensing technology saves up to an extra 12% compared to the Rinnai INFINITY® HDi200
- Up to 95% thermal efficiency by preheating the incoming cold water
- Provides 32L per minute of continuous hot water
- Supports lower flow rates required of new tap and bathroomware
- Rinnai's most environmentally friend gas water heating option

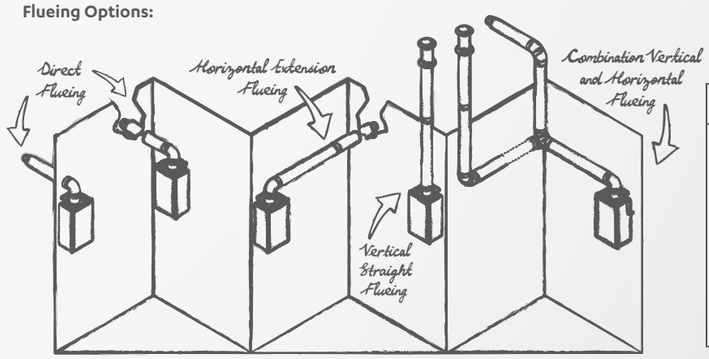
INFINITY® HDi200

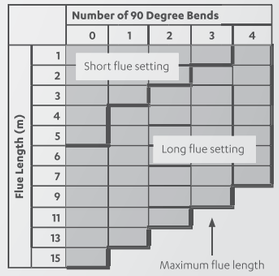
- Lower initial costs than Rinnai INFINITY® EFi250
- Up to 83% thermal efficiency
- Provides 26L per minute of continuous hot water

INFINITY® EFi250 – 32L/min†

INFINITY® HDi200 – 26L/min†

Flueing Options:





See the specifications on page 56

10 YEAR WARRANTY PRO RATA ON HEAT EXCHANGER^

3 YEAR WARRANTY ON PARTS AND LABOUR^

*Must be compliant with the NZ building code and the gas regulations 5601
† The L/min is the nominal water capacity at a 25° rise. **EFi Models: Save up to 72% of running costs with Natural Gas or up to 40% with LPG compared to electric storage cylinder[1,2,4,7] ***HDi Models: Save up to 69% of the running costs with Natural Gas or up to 36% with LPG compared to an electric storage cylinder[2,3] ^ Please refer to Limited Warranty statement on Rinnai Continuous Flow Water Heaters at http://www.rinnai.co.nz/warranty.html

Rinnai INFINITY® EFi250

Rinnai INFINITY® HDi200 in a cupboard

Bathroom Deluxe Controller. Image courtesy of ROXX & Pietra Surfacing.

Kitchen Deluxe Controller

Digital Controllers

Jump a mile thanks to the yell from the shower when you turn on the kitchen tap? Take back control and eliminate the guesswork - enjoy the convenience, accuracy and innovation of a Rinnai INFINITY® Digital Controller! Controllers can significantly reduce water temperature fluctuations within your home. Simply set the temperature and all the water across your home will be at the same set temperature you desire – until you decide to change it, then it's all in your capable hands!

Key benefits and features:

- Total control: Digital controllers allow you to select the exact temperature of the hot water at the outlet.
- Innovative design: There is no need to mix hot and cold water, for this reduces the affect of temperature spiking when another tap in the building is turned on.
- Extended Warranty: Adding a controller adds two years warranty to the Rinnai INFINITY® gas water heater.

Compact

Our smallest, most affordable model, this controller can be installed anywhere in the house and is water resistant. MC912A

Bathroom Deluxe

Will run a bath for you, turn off the water, then tell you when it's ready. Adjust the water volume of the bath or shower, temperature and the volume of the voice. BC100V1Z

Wireless Remote

Ideal for retrofitting and renovations, or if you don't want to install wires in your walls or ceiling.
MC503S - also requires MC503M Transceiver

Kitchen Deluxe

Designed for kitchens and laundries, works in conjunction with the Bathroom Deluxe. The voice will tell you in the kitchen when your bath is ready. MC100V1Z

See the specifications on page 56

Rinnai INFINITY® VT24 with pipe cover

Metal Recess Box

Outdoor Accessories

We know you want your Rinnai product to work hard – but we also know you want it to look good too! Enhance your experience and embrace design and innovation with a range of accessories to accompany your chosen Rinnai INFINITY® gas water heater. Whether it's a recess box to neatly contain your Rinnai INFINITY® gas water heater, or a pipe cover to streamline its appearance, we've got it covered.

Key benefits and features:

- Clever design: A handy Rinnai Recess Box houses your Rinnai INFINITY® unit, pipe work and power supply behind a simple hinged door or composite cover that can be painted to match the colour of your house.
- Security: Install a Rinnai security bracket to act as a permanent deterrent against theft.
- Innovative thinking: Use a Rinnai pipe cover for a more streamlined appearance to hide pipework.
- Installation options: You can divert the exhaust from your Rinnai INFINITY® unit upwards or sideways with a flue diverter. A flue diverter can aid in noise reduction where the unit is positioned close to a neighbouring property or where the unit will perform more efficiently if the flue gases are cleared away from an obstruction, eg. tree or fence.

COMPOSITE RECESS BOX
R1406 - All VT Products

METAL RECESS BOX
R1405 - All VT Products
R1407 - HD200, HD250, EF24

Recess Box

The Rinnai Metal Recess Box enables an external continuous flow gas water heater to be fully recessed. Or alternatively you could use a Rinnai Composite Recess Box, which is an affordable option and semi recessed. Both can be painted to match your house.

UPWARDS FLUE DIVERTER
FDU16 - VT16 / FDU20 - VT20
FDU24 - VT24, VT26
FDU32 - HD250

SIDEWAYS FLUE DIVERTER
FDS16 - VT16 / FDS20 - VT20
FDS24 - VT24, VT26

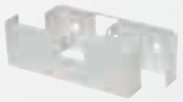
Flue Diverters

Upwards or sideways flue diverters are available for external units. For when the Rinnai INFINITY® is installed with the required clearances, will perform more efficiently if the flue gases are cleared away from the obstruction such as a tree, fence or wall.

Pipe Covers

A Rinnai pipe cover is available for a streamlined appearance, or to add additional protection in exposed installations.

R1385 - All VT Products
R1408SC - HD200
R1402SC - HD250
R1408 - EF24
R1409 - EF250



Security Bracket

A sturdy security bracket can be installed to act as a permanent deterrent against theft.

ACC1395 - All Infinity Products

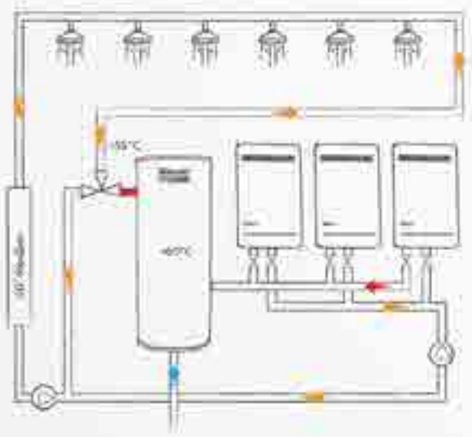
See the specifications on page 56

Circulating Ring Main

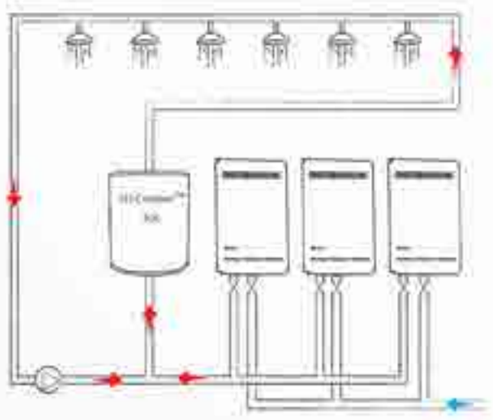
Need lots of hot water in lots of different places? Circulating Ring Main heating systems are the ideal choice for environments when instant hot water is required at multiple outlets all at once. Choose a Circulating Ring Main system for your hotel, restaurant, large family home or commercial space.

Low Temperature Ring Main

Low temperature ring mains are becoming popular as an economic and reliable solution for larger installations. Reduce installation and maintenance costs by eliminating tempering valves at each outlet. Please contact Rinnai to see if your project would benefit from the use of a low temperature ring main.



High Temperature Ring Main



INFINITY® systems are the perfect match with a circulating ring main system. Rinnai's recommended method for combining the benefits of Rinnai INFINITY® systems with circulating ring mains is to use a small electric cylinder to keep the ring main heated.

Commercial Hot Water Systems

At Rinnai we've developed commercial hot water solutions to provide a system that works for you. With three main systems on offer that can be adapted and scaled to suit, whether you have a motel, laundromat or aluminium smelter, we've got a commercial hot water solution for you.

Demand Direct

Continuous Flow Hot Water

This is designed for constant high water use over an extended period of time. For example, shower blocks where all showers are regularly run simultaneously, dairy farms, cafes, hair salons, child care facilities, gyms, sports clubs and small accommodation.

Demand Duo

Continuous Flow with Storage Backup

This is best suited for when the total amount of water drawn during the day's peak is known but the rate of water use varies. For example, central hot water systems for hotels, motels and apartment blocks.

Demand Rapid

Rapid Recovery Storage

This is designed for applications or situations requiring rapid delivery with recovery time available before next use. For example, filling a machine or spa bath, medium accommodation and commercial laundries.

Installing a Rinnai hot water system that has been pre-assembled is easy, and with known upfront costs, there are no hidden surprises when quoting. With improved performance, energy efficiency and affordability, our solutions deliver real benefits for the end user, the owner and the installer.

Pre-Assembled Systems
- Confidently specify
- Known dimensions
- Quote easily with minimal contingency allowance
- Quick installation
- Factory tested system
- Whole system warranty

Total Cost of Ownership
- Meets New Zealand compliance regulations
- Lower installation costs
- Lower running costs
- Lower ongoing servicing costs
- Can be serviced without whole system shutdown

Installation Flexibility
- Nationwide network of trained technicians
- Can be economically expanded to meet changes in demand
- Internal or external siting
- Water heaters can be remote from storage vessels
- Space saving opportunities

System Reliability
- Can be interfaced with building management or other alarm systems to verify system operation
- Inbuilt redundancy through multiple heating units

Scan this QR code to view the range online

Ready when you are

ELECTRIC HOT WATER CYLINDER RANGE

How different cylinders work

Standard cylinders can be mains or low pressure. Mains pressure is the preferred option as you can have multiple taps and showers running hot water at once without the flow dropping significantly. Low pressure systems are common in older homes and typically it will take a long time to run a bath. Hot water cylinders can be made from stainless steel, enamel or copper. The majority of New Zealand homes that have an electric hot water cylinder will probably have one of the below.

Stainless Steel Mains Pressure (Pages 28, 30, 31)

Designed for durability, the quality of these cylinders is so outstanding they come with a 20 year warranty *(conditions apply)*. Lightweight and easy to install this is the fit and forget electric cylinder. It can be upgraded to solar, hot water heat pump or wetback too.

Stainless Steel Low Pressure (Page 29)

Designed to last. The quality stainless steel used in the manufacture of these cylinders means you won't be replacing it any time soon. They can also be upgraded to solar and wetback heating too. These cylinders carry a 10 year warranty *(conditions apply)*.

Enamel Mains Pressure (Pages 32, 33)

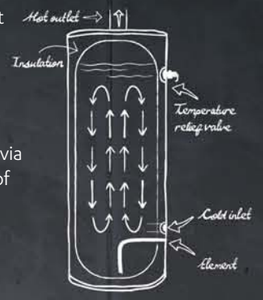
Designed to adapt to your installation needs these cylinders are available as indoor or outdoor models with a 5 year warranty *(conditions apply)*. There are under-sink options available. They can be retrofitted to future proof a low pressure system or is the standard in mains pressure.

Copper Low Pressure (Pages 34)

Designed for those wanting an economical solution to hot water. These are the lowest cost cylinders and ideal if you need a replacement hot water cylinder. The cylinder also has under-sink options. The warranty on these cylinders is for 5 years *(conditions apply)*.

How HJ Cooper™ Standard Mains Pressure Cylinders Work

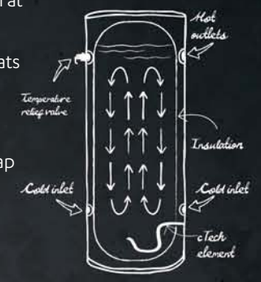
1. Cold water comes in at bottom of cylinder
2. Element heats water
3. Warm water rises
4. Hot water goes to tap via the outlet on the top of the cylinder



HJ Cooper™

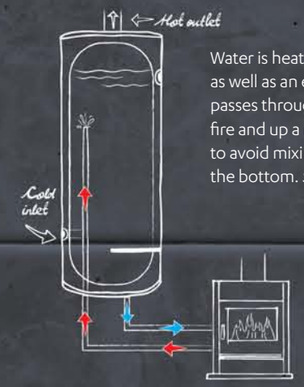
How Rinnai Hotflo™ Mains Pressure Cylinders Work

1. Cold water comes in at bottom of cylinder
2. cTech™ element heats water
3. Warm water rises
4. Hot water goes to tap via upper outlet



Rinnai Hotflo™

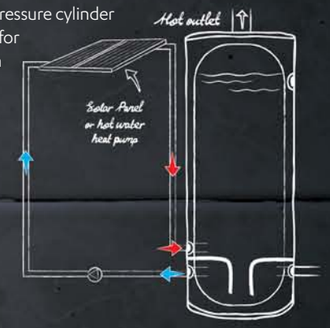
Copper Low Pressure Wetback



Water is heated using an approved fire as well as an electric element. Water passes through pipes in the back of the fire and up a riser pipe into the cylinder to avoid mixing it with the cold water in the bottom. *See page 34.*

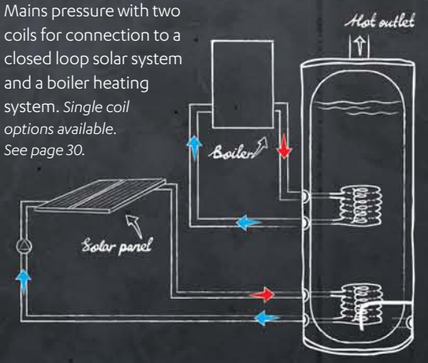
Mains and Low Pressure
Open Loop Solar or Hot Water Heat Pump

Electric mains or low pressure cylinder with an extra eco inlet for connection to an open loop solar system or hot water heat pump. *See pages 28 & 29.*



Mains Pressure Non-Thermosiphon.
Twin Coil for Closed Loop Solar and Boiler

Mains pressure with two coils for connection to a closed loop solar system and a boiler heating system. *Single coil options available. See page 30.*

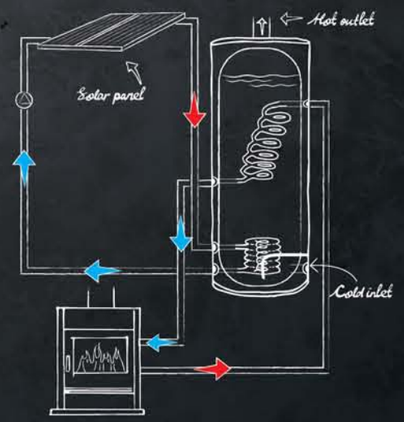


Thermosiphon effect is when warmer water rises and cooler water falls, creating a natural flow.

Please note: The drawings in this catalogue are representative only and should not be used as an installation guide. Please refer to standard AS/ NZS 4012, AS/NZS4013 and NZS4603 for the latest information. All installations must be in compliance with the New Zealand building code.

Mains Pressure Thermosiphon
Twin Coil for Wetback and Closed Loop Solar

Mains pressure cylinder with a thermosiphon coil for wetback and a second coil for closed loop solar. *Single coil options available. See page 31.*



Stainless Steel Indoor Mains Pressure

Hot Water Cylinder Range

The fit and forget cylinder that is built to last. This is the only electric hot water cylinder on the market with an outstanding 20 year warranty*. Great for the plumber as they are lightweight and can be transported any which way plus perfect for the homeowner; durable, energy efficient and solar or hot water heat pump ready. This cylinder has everything you could want in an electric hot water cylinder.

Key benefits and features:

- Energy efficient: Curved elements, insulation to meet NZ MEPS and unique dip tubes on left and right cold inlets allowing water to be taken right to the bottom of the tank to avoid mixing, makes the tank more energy efficient.
- Lightweight: Stainless steel cylinders are half the weight of the traditional enamel cylinders. This means one plumber can transport, lift and install the cylinder instead of two plumbers saving significant costs.
- Quality materials: Durable, lightweight high grade Duplex stainless steel inner tank is what gives it the 20 year Warranty on the inner cylinder. Insulated with CFC free polyurethane.
- Easily transported: Able to be transported in any position... lying down, upside down etc as they don't have an anode inside the cylinder like the enamel cylinders do. Not having an anode means the plumber can slide one in the back of his van without worrying about doing damage to the inner tank.
- Solar and hot water heat pump ready: With an extra eco connection, the cylinder can be connected to an open loop solar system or hot water heat pump either at the time of installation or in the future. Order with an auto reset thermostat.

See the specifications on page 57

FPS

MEPS COMPLIANT

20 YEAR WARRANTY
1 YR ON PARTS AND LABOUR*

CYLINDER IS SUPPLIED WITH TPR VALVE

*20 year warranty on inner cylinder only. *Please refer to the specifications on page 57 for the exact codes that include the kW sizes, single or dual elements and the positions of the elements, auto reset thermostat and which models are solar ready.

HJ COOPER By Rinnai

HJ Cooper™ Mains Pressure Stainless Steel

- 135L MS135550
- 180L MS180550
- 250L MS250550
- 300L MS300550

Stainless Steel Indoor Low Pressure

Hot Water Cylinder Range

Stalling for time when it comes to replacing your old hot water cylinder? A fantastic replacement option, these cylinders cover your needs for low to medium pressure. Built from high grade Duplex stainless, our low pressure range sets a new benchmark for low pressure hot water cylinder design and manufacture. The Rinnai Stainless Steel Indoor Low Pressure hot water cylinder range also offers a 10 year warranty – twice as long as the five years for copper.

Key benefits and features:

- Convenience: There is a range of water capacities available from 135L to 300L and an optional booster element is available in the 250L and 300L models. Cylinder can be used at any pressure including medium and low pressure - 120kPa.
- Energy efficient: These cylinders have a long life incoloy 825 immersion element and a unique curved design ensures 98% of water is heated.
- Easy installation: Cylinders are triple entry making installation and replacement easy. The two inlets not required can be plugged.
- Quality manufacturing: Inner tank duplex stainless steel construction, ensuring high strength and resistance to stress and crevice corrosion. The outer case is constructed from high quality galvanised steel.
- Future proof: These cylinders can be easily converted to solar heating if required. 180, 250 and 300L cylinders can be connected to an open loop solar system or hot water heat pump using the extra eco inlet. Order with an auto reset thermostat.

See the specifications on page 57

FPS

MEPS COMPLIANT

10 YEAR WARRANTY
1 YR ON PARTS AND LABOUR*

*10 year warranty on inner cylinder only. *Please refer to the specifications on page 57 for the exact codes that include the kW sizes, single or dual elements and the positions of the elements, auto reset thermostat and which models are solar ready.

HJ COOPER By Rinnai

HJ Cooper™ Low Pressure Stainless Steel

- 135L LS135550
- 180L LS180550
- 250L LS250550
- 300L LS300550

Stainless Steel Indoor Mains Pressure Non-Thermosiphon

Single & Twin Coil Hot Water Cylinder Range

HJ COOPER By Rinnai

If you're keen on utilising solar energy then this is the cylinder for you! With a unique coil design to maximise heat transfer, this is the ideal hot water cylinder for locations with frost and very cold temperatures, saving you valuable money on the dreaded power bill. Available in single or twin coil options, the coil design is created for use with glycol solar systems and/or connection to indoor boiler systems with radiators for home heating.

HJ Cooper™ Mains Pressure Stainless Steel Non-Thermosiphon

- 190L Single coil MS190550C
- 250L Single coil MS250550C
- 300L Single coil MS300550C
- 250L Twin coil MS250550CC
- 300L Twin coil MS300550CC

Non-Thermosiphon coil

Key benefits and features:

- Maximum heat transfer: the coil spirals down and then wraps back up around itself creating a coil within a coil. It is located at the very bottom of the cylinder to allow for maximum heat to be transferred to the water in the cylinder.
- Utilize solar energy: ideal hot water cylinder to connect to glycol solar systems particularly for areas with frost and very cold temperatures.
- High temperatures: the duplex stainless steel inner cylinder means it can be used in solar systems with high incoming water temperatures.
- Single or twin coil options: if you are connecting to solar you will need a single coil cylinder but if you are connecting to a boiler with radiators and solar then you will need a twin coil cylinder.

See the specifications on page 57

FPL | MEPS COMPLIANT | 10 YEAR WARRANTY 1 YR ON PARTS AND LABOUR* | CYLINDER IS SUPPLIED WITH TPR VALVE

*10 year warranty on inner cylinder only. #Please refer to the specifications on page 57 for the exact codes that include the kW sizes, single or dual elements and the positions of the elements, auto reset thermostat and which models are solar ready.

Stainless Steel Indoor Mains Pressure Thermosiphon

Single & Twin Coil Hot Water Cylinder Range

HJ COOPER By Rinnai

Get clever with a Thermosiphon hot water cylinder – the hot water cylinder that's as smart as you! A Thermosiphon hot water cylinder allows you to take some of the heat from your fire and put it into your hot water cylinder in the winter months, saving energy and costs on your power bill. Even better, if there's a power cut you can still heat your water using the wetback fire!

HJ Cooper™ Mains Pressure Stainless Steel Thermosiphon

- 250L Single coil MS250550CT
- 300L Single coil MS300550CT
- 250L Twin coil MS250550CCT
- 300L Twin coil MS300550CCT

Thermosiphon coil

Key benefits and features:

- Running cost savings: Twin coil systems save money on power both in summer using solar water heating through one coil and in winter the other coil is used by the wetback fire for water heating**.
- High temperatures: The hybrid stainless steel cylinder is designed for high incoming water temperatures from the wetback fire or solar system.
- Solar and hot water heat pump ready: Single coil cylinder has an extra eco connection that can be connected to an open loop solar system or hot water heat pump either at the time of installation or in the future.
- Single or twin coil options: you will need a twin coil cylinder if you are connecting to a wetback fire and a glycol solar system. However, if you are connecting to just a wetback fire or a potable water solar system and a wetback fire then you will need a single coil cylinder

***Each secondary heat source needs a coil. Maximum of two secondary heat sources per cylinder.*

See the specifications on page 57

FPL | MEPS COMPLIANT | 10 YEAR WARRANTY 1 YR ON PARTS AND LABOUR* | CYLINDER IS SUPPLIED WITH TPR VALVE

*10 year warranty on inner cylinder only. #Please refer to the specifications on page 57 for the exact codes that include the kW sizes, single or dual elements and the positions of the elements, auto reset thermostat and which models are solar ready.

Enamel Indoor Mains Pressure

Hot Water Cylinder Range

Our enamel-lined hot water cylinder range offers exceptional performance, reliability and ease of installation. Designed with modern living in mind and with a range of slim diameters, this unique range can squeeze in where other cylinders can't, and make an easy replacement for your old hot water cylinder.

Key benefits and features:

- Space saving: Designed around the constraints of modern living, and at a slim 488mm diameter, you can fit our Enamel cylinders into spaces other cylinders won't fit... that's pretty nifty!
- New element technology: With new and improved heating element technology, don't heat just part of your stored water - heat it all! While giving you exceptional delivery, performance and value for money.
- Quality materials: Constructed from only the highest quality enamel lined steel, the enamel range offers excellent protection and durability from corrosion. What's more you're protected by a full length high performance anode!
- Improved insulation: Completely insulated with high density CFC-free polyurethane foam, compliant to New Zealand MEPS standard.

See the specifications on pages 58

FPA | MEPS COMPLIANT | 5 YEAR WARRANTY 1 YR ON PARTS AND LABOUR* | CYLINDER IS SUPPLIED WITH TPR VALVE

*5 year warranty on inner cylinder only. *Please refer to the specifications on page 58 for the exact codes that include the kW sizes, single or dual elements and the positions of the elements, auto reset thermostat and which models are solar ready.

HJ COOPER By Rinnai

HJ Cooper™ Mains Pressure Enamel

- 90L ME090488
- 135L ME135488
- 180L - Tall ME180488
- 180L - Squat ME180590
- 250L ME250590
- 300L ME300590

HJ Cooper™ Mains Pressure Enamel - Undersink

- 30L MEUS030400
- 50L MEUS050488

Enamel Outdoor / Indoor Mains Pressure

Hot Water Cylinder Range

Rinnai Hotflo™ electric hot water cylinders can be placed outside your home to free up space for a new spacious kitchen, larger laundry or that extra storage cupboard you've been dreaming of!

Key benefits and features:

- Innovative design: The Clever cTech™ element design allows an increased amount of hot water to be delivered when you need it and are specifically designed for domestic environments with mains pressure.
- Durable: The outer case of the cylinders is made from corrosion resistant colour bond steel suitable for external or internal installation.
- Flexible installation: You can free up space where you need it by installing inside or outside your home. There is also greater installation flexibility with dual inlet and outlet connections.
- Future proof: These cylinders can be easily connected to an open loop solar or hot water heat pump system, now or in the future.

See the specifications on page 58

FPA | 5 YEAR WARRANTY ON PARTS AND LABOUR* | CYLINDER IS SUPPLIED WITH TPR VALVE | WaterMark

*5 year warranty on inner cylinder only. *Please refer to the specifications on page 58 for the exact codes that include the kW sizes, single or dual elements and the positions of the elements, auto reset thermostat and which models are solar ready.

Rinnai Hotflo™ Electric Cylinders

- 135L CYLGE13520
- 180L CYLGE18030
- 180L CYLGE18036
- 215L CYLGE21536
- 270L CYLGE27036
- 340L CYLGE34036

Copper Indoor Low Pressure

Hot Water Cylinder Range

Our low pressure copper cylinders are New Zealand's traditional electric cylinder and have a history of excellence. Manufactured in New Zealand since the 1930's, HJ Cooper™ cylinders are the smart choice if you're looking for a low cost and high efficiency replacement.

Key benefits and features:

- Range of sizes: 9 - 225L. Huge range of heights and diameters means that replacement is easy.
- Easy installation: Cylinders are triple entry making installation and replacement easy. The two inlets not required can be plugged.
- To suit your needs: Choose either the wetback low pressure copper cylinder or the standard low pressure copper cylinder.
- Innovative design: Undersink range is perfect if you need a little extra hot water, comes in 4 sizes 9- 44L. Custom built options available.

See the specifications on page 58

5 YEAR WARRANTY 1 YR ON PARTS AND LABOUR*

MEPS COMPLIANT Minimum Energy Performance Standards

NEW ZEALAND MADE

*5 year warranty on inner cylinder only.
#Please refer to the specifications on page 58 for the exact codes that include the kW sizes, single or dual elements and the positions of the elements, auto reset thermostat and which models are solar ready.

HJ COOPER By Rinnai

HJ Cooper™ Low Pressure Copper Standard

- 44 LC44445
- 90 LC090430
- 90 LC090500
- 90 LC090530
- 135 LC135470
- 135 LC135500
- 135 LC135510
- 135 LC135530
- 135 LC135540
- 180 LC180510
- 180 LC180530
- 180 LC180540
- 180 LC180550
- 225 LC225550
- 225 LC225600

HJ Cooper™ Low Pressure Copper Wetback

- 135 LCW135470
- 135 LCW135500
- 135 LCW135510
- 135 LCW135530
- 135 LCW135540
- 180 LCW180510
- 180 LCW180530
- 225 LCW225550

HJ Cooper™ Low Pressure Copper Undersink

- 9L LCUS009340
- 14L LCUS014340
- 22L LCUS022340
- 44L LCUS044340

Cylinder Drip Trays

An essential addition to any hot water cylinder, a Cylinder Drip Tray provides early leak detection, protecting your property and reducing potential corrosion. Available in six sizes – we have a drip tray to suit almost any brand or size of domestic cylinder.

Key benefits and features:

- Compliance: the New Zealand Building code requires all hot water cylinders to have a drip tray.
- Early leak detection: if water leaks from the cylinder it will sit in the drip tray and be visible rather than soaking away into the surroundings.
- Protects property: the drip tray can reduce and in some cases prevent damage to your property surrounding the cylinder in the case of a leak.
- Reduces corrosion: air can circulate under the cylinder and may prevent or reduce external corrosion on the cylinder if there is a leak.
- Sizes: a range of 6 sizes are available to suit virtually any brand or size of cylinder.

See the specifications on page 59

5 YEAR WARRANTY ON PARTS AND LABOUR#

NEW ZEALAND MADE

HJ COOPER By Rinnai

Plastic Drip Trays

CODTP495 – 495mm x 495mm
CODTP545 – 545mm x 545mm
CODTP585 – 585mm x 585mm
CODTP625 – 625mm x 625mm

Galvanised Drip Trays

COGADT500 – 500mm x 500mm
COGADT600 – 600mm x 600mm

Scan this QR code to view the range online

Heat that doesn't cost the earth

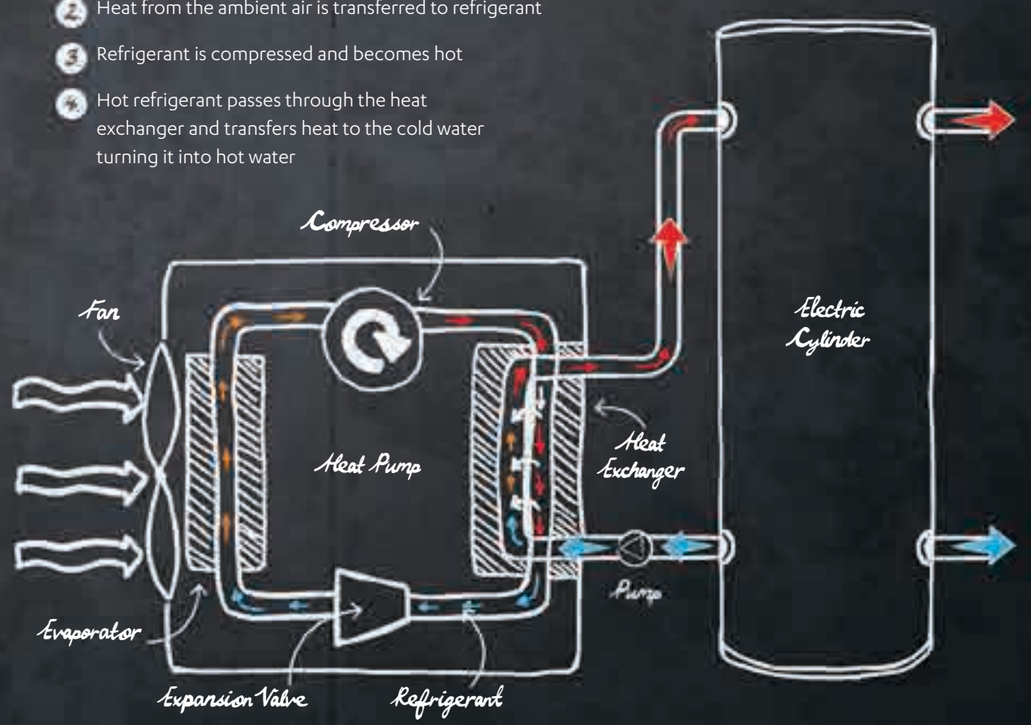
HOT WATER HEAT PUMP

Hot Water Heat Pump

It's no secret that we want to reduce our carbon footprint with reduced energy consumption – so get what you want with a Rinnai Hot Water Heat Pump! The ideal partner for eco-conscious homeowners, a Hot Water Heat Pump is the sensible choice for heating water while helping the environment.

How does it work?

1. Ambient air is blown through the evaporator
2. Heat from the ambient air is transferred to refrigerant
3. Refrigerant is compressed and becomes hot
4. Hot refrigerant passes through the heat exchanger and transfers heat to the cold water turning it into hot water



Hot Water Heat Pump

Designed for environmentally-aware homeowners who want to significantly reduce running costs while minimising their carbon footprint, a hot water heat pump can save you up to 60 per cent of your running costs*. A hot water heat pump will retrofit to virtually any brand of electric hot water cylinder and installation is simple – typically taking less than one day – it couldn't be easier or more convenient.

Key benefi ts and features:

- Easy installation: Installation is simple and usually takes less than one day.
- Innovative technology: The hot water heat pump operates by transferring energy from the ambient outside air into the water. Electricity is used to operate the system, but not to heat the water, so less electricity is used.
- Energy efficient: The heat pump is designed to use less energy allowing you to make significant savings on running costs compared to an electric cylinder and also reduce your carbon footprint with reduced energy consumption.
- Retrofit cylinder: Can add to virtually any new or existing brand of cylinder made from enamel or stainless steel.

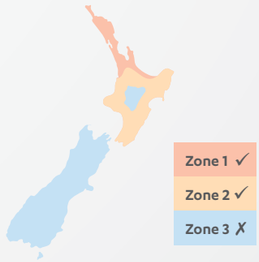
Hotfl ơ™ Electric Heat Pump^
RHPM1S32

Any Hotfl ơ™ Sized to suit
Cylinder sold separately

Any HJ Cooper™ Cylinder
Cylinder sold separately

Suitable for

- External domestic applications
- Connection to mains pressure hot water cylinders
- NZ geographical zones 1 and 2 only, refer map below



See the specifications on page 59

3 YEAR WARRANTY ON PARTS AND LABOUR#

*Save up to 60% of the running costs with the Hot Water Heat Pump in Auckland compared to an electric storage cylinder[2]. ^ Not suitable for certain water chemistries[6] or geothermal hotspot areas such as Rotorua. Not suitable for the South Island. Check zone map on this page.
#Please refer to warranty statement at www.rinnai.co.nz/warranty


Make your day...
INSTANT HOT WATER

Boil & Brew™

Instant Boiling Water Dispensers

Fact – putting your feet up with a hot brew is one of life's pleasures! So increase your pleasure state with the HJ Cooper™ by Rinnai Boil & Brew™ instant hot water – the clever instant hot water dispenser that allows you to make a hot drink whenever you fancy it. Available in a range of sizes to cater to your needs, the Boil & Brew™ is the ideal companion to any space that necessitates an endless supply of boiling water such as commercial kitchens, staff rooms and more.

Key benefi ts and features:

- Instantaneous: Boiling water when you need it for tea, coffee, other hot drinks or convenience foods.
- Efficient: Minimum heat loss due to the fully enclosed system. With a Kettle, usually more water than required is boiled and the excess is left to cool down, then reheated again.
- Simple installation: Unit is connected to the mains pressure cold water supply and plugs straight into a standard three-point socket. Unit can be located on the bench or simply attached to the wall. Exceptions are the 25L and 35L units that have fixed wiring.
- Automatic operation: No filling or waiting while water boils.
- Concealed wiring and plumbing: A choice of concealed or surface wiring and plumbing is available.
- Safety: The patented design combines two key safety features with a specially developed water level control system and a dual thermostat temperature regulator cut-out. The system is also without the potentially dangerous steam of a standard kettle.
- Sizes: A range of 5 sizes are available 5L, 10L, 15L, 25L and 35L with a delivery from 30 cups per hour to 200 cups per hour.

HJ Cooper™ Boil & Brew™
RHPM1S32
– 5L AW0500
– 10L AW1000
– 15L AW1500
– 25L AW2500
– 35L AW3500

See the specifications on page 59

5 YEAR WARRANTY
ON INNER COPPER
1 YR ON PARTS THERMOSTAT & ELEMENT

HJ COOPER By Rinnai

Scan this QR code to view the range online

Warmth in every room

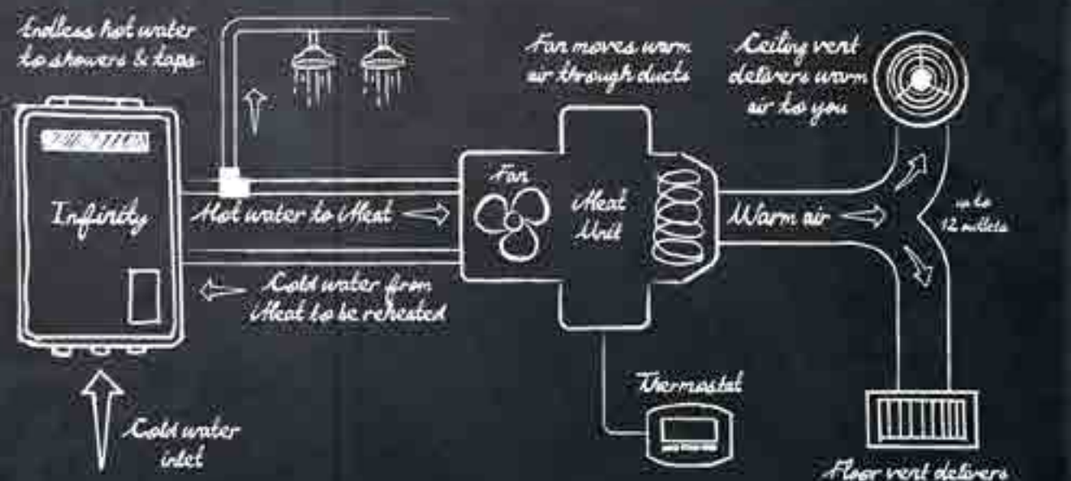
CENTRAL HEATING

iHeat® Central Heating System

For many New Zealanders, the thought of heating a whole house at once seems like a mystical dream. It's doesn't have to be. The Rinnai iHeat® is a ducted central heating system that circulates warm air within your home. It ingeniously uses the Rinnai INFINITY® continuous flow gas water heater unit, which many people currently use to heat their water. Rinnai's iHeat® central heating provides fast central heating and endless hot water. Two things that make life just a little bit better – or even a lot – better.

"The Rinnai iHeat® has changed our lives. Over the entire winter my 1 and 3 year old kids had no visits to the doctor compared to the year before when we had 5 visits. The kids sleep easily, even with my son kicking off all his bedding in the middle of the night." – *Ben Williamson*

How does it work?



iHeat® Central Heating System in the roof cavity

iHeat® Thermostat

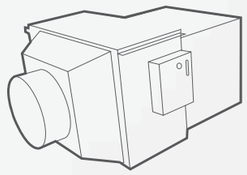
iHeat® Central Heating System

You can now upgrade your home heating to Rinnai's iHeat® Central Heating System with your Rinnai INFINITY® continuous flow gas water heater.

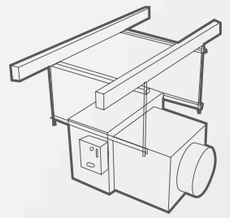
Key benefi ts and features:

- Whole home heating: even temperature across the entire home
- Comfort all year around: no more electric blankets, hot water bottles, winter duvets or slippers
- Dry windows: reduces the mould and mildew on windowsills
- Unit out of sight: no bulky heating appliances in living spaces, giving you space for the furniture you actually want in your room
- Cost saving: if you already have a Rinnai INFINITY® then you already own the engine to drive the iHeat®
- Closed loop system: water used by the iHeat® is returned to the Rinnai INFINITY® for reheating, not wasted
- Energy efficiency: approximately the same efficiency as the Rinnai INFINITY®. Over 80% depending on the model and ducting
- Programmable timers: wake up or come home to a thoroughly warm house. Four different time blocks during each of the 7 days – wake, day, evening, sleep
- Consistent performance: performs well even in very low outside temperatures
- Versatile location: system can be situated in the ceiling space or under the floor
- No additional gas line required: uses the Rinnai INFINITY® as the engine for the iHeat®
- Powerful heating: 20kW and heats the home quickly
- Air quality: maintains the air quality for a healthy breathing environment.
- Endorsed: by the Asthma Foundation's Sensitive Choice Program for clean heating

iHeat® ceiling mounted



iHeat® subfl oor mounted



Thermostat

Suitable for:

- All new homes in the design phase
- Homes with a gas connection and an existing Rinnai INFINITY®
- Homes where the iHeat® unit can be installed in a ceiling space, or under the floor – subject to the clearances*. The unit cannot be positioned outside.

*Please Note: iHeat® is not compatible with Rinnai INFINITY® digital controllers. Hard or acidic water will need to be treated to use this product. * See iHeat® clearances page 56*
^ Please refer to the limited warranty statement at www.rinnai.co.nz/warranty

See the specifications on page 56

3 YEAR WARRANTY ON PARTS AND LABOUR^

Space saving

Forget cramped spaces – Rinnai's range of water heating systems can be installed in various locations throughout your home, creating space where it's needed most. House design plays a part in whether you should locate your water heating system on an exterior wall or whether it should be inside a central cupboard or in the roof. Choose the location that is closest to the outlets to ensure you get hot water as quickly as possible.

Outdoor Thinking

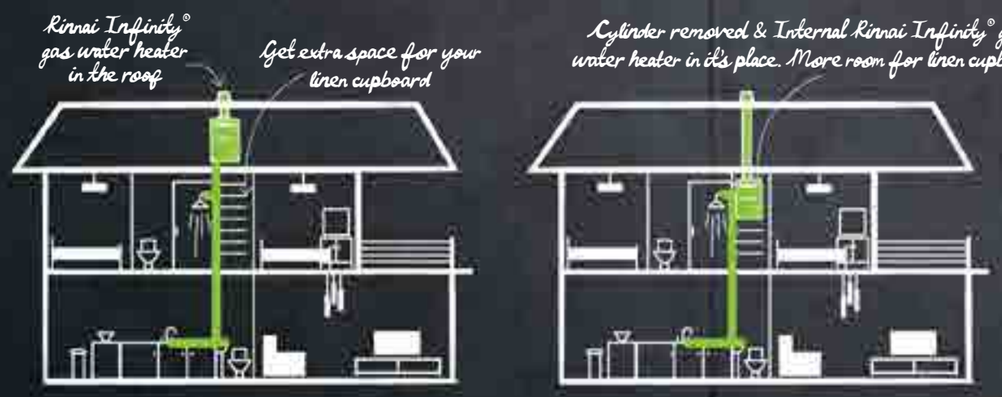
Maximise indoor space and install your water heater outdoors! Rinnai water heating systems are manufactured from durable, corrosion resistant materials – so if it's an outdoor water heater you're looking for, talk to us.

Gas continuous flow hot water

Electric hot water cylinder

Indoor Thinking

Installing a Rinnai water heater indoors is the ideal solution if you want to keep visibility of your water heating appliance to a minimum, or if you're after a central location to access hot water with ease. In this case it would be faster to get your hot water from the roof or central cupboard rather than from an exterior wall location.



The drawings below demonstrate how one homeowner utilised the additional space created in their home by choosing an outdoor installation.

Before

House before renovation with hot water cylinder on inside of bathroom.

After

House after renovation with space saving and hot water solution outside. The HWC could be an INFINITY® continuous flow gas water heater or a Hotflo™ electric hot water cylinder.

Which Hot Water System is right for you?

Choosing the water heating system that is best for you and your household can help lower your energy bills – and reduce your carbon footprint. It's a win-win!

Below is a list of water heating attributes that will help you to determine which system works best for you. The system with the closest number of ticks to your priorities and how you would like to use hot water is the system for you. On the following page you can then use the Product selector to choose the right size for you. **KEY:** ✓ Yes ✗ No • In Some Cases

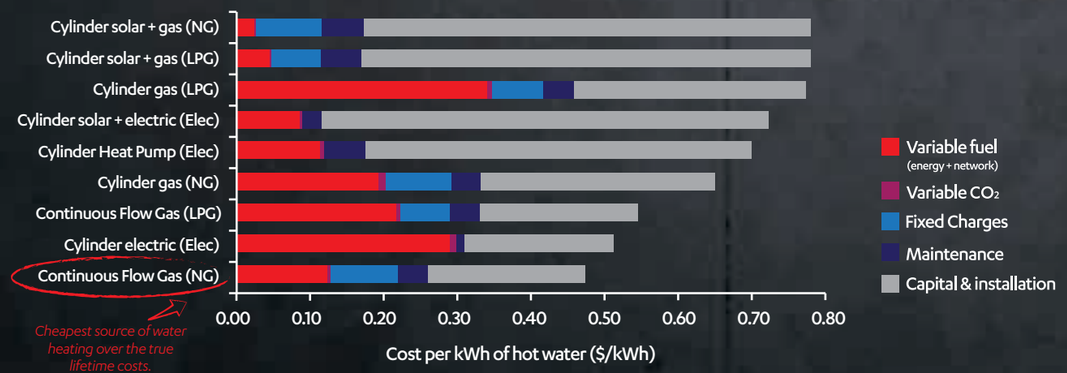
WATER HEATING ATTRIBUTES	GAS		ELECTRIC			HEAT PUMP	SOLAR	
	Gas Cont. Flow INFINITY® EF	Gas Cont. Flow INFINITY® VT/HD	Mains Pressure Cylinder	Low Pressure Cylinder	Wetback with Electric Cylinder	Hot Water Heat Pump	Solar Boost Gas INFINITY®	Solar Boost Electric Cylinder
Endless hot water available	✓	✓	✗	✗	✗	✗	✓	✗
Pay only to heat the water you use	✓	✓	✗	✗	✗	✗	✓	✗
Smaller carbon footprint	✓	✓	✗	✗	✓	✓	✓	✓
Lower initial product and installation costs	✓	✓	✓	✓	•	•	✗	✗
Utilise some free energy	✗	✗	✗	✗	✓	✓	✓	✓
Easy installation	✓	✓	✓	✓	•	✓	✗	✗
Unit can be located outdoors	✓	✓	✗*	✗	✗	✓*	✓	✓*
Unit can be located indoors	✓	✓	✓	✓	✓	✗***	✗	✗
Ability to increase capacity easily in future	✓	✓	✗	✗	✗	✗	✓	✗
Supports the lower flow rates required of new tapware	✓	✓	✓	✗	•	•	✓	✓
Low monthly running costs****	✓	✓	✗	✗	✓	✓	✓	✓
10 year plus warranty *(conditions apply)*	✓	✓	✓**	✓**	✗	✗	✗	✗

*Only Hotflo™ models of cylinders can be located outdoors **Only on selected models ***Storage cylinder can be located indoors **** See references on page 59

Water Heating True Lifetime Costs

This graph shows that Continuous Flow Gas is the cheapest source of water heating over the entire life of the product and system.

Graph from the Consumer Energy Options: An evaluation of Different fuel types and technologies for providing water, space and process heat by Simon Coates.



Gas Product Size Selector Pages 10 - 23

Rinnai INFINITY® EF

Designed for the environmentally conscious who want to significantly reduce running costs and lower energy usage whilst still having the luxury of endless hot water.

Rinnai INFINITY® VT

Designed for homes requiring endless hot water with lower yearly running costs and a lower initial cost.

Rinnai INFINITY® HD

Designed for applications that need higher flow rates or have larger water use requirements and can be used domestically or commercially.

How many litres do you wish to run simultaneously?

Eg. 2 bathrooms at 9L/min each = 18L/min and lives in Mild Zone

Read across to model using temperature zone you live in.

Warm	Mild	Cool	VT	HD	EF
16	13	11	16	200	24
20	17	14	20	200	24
24	20	17	24	200	24
26	22	19	26	200	250
30	26	22		250	250
32	27	23		250	250

Electric Product Size Selector Pages 24 - 35

Stainless Steel Mains Pressure

Designed for durability, the quality of these cylinders is so outstanding they come with a 20 year warranty *(conditions apply)*. Lightweight and easy to install this is the fit and forget electric cylinder. It can be upgraded to solar, heat pump or wetback too.

Stainless Steel Low Pressure

Designed to last. The quality stainless steel used in the manufacture of these cylinders means you won't be replacing it any time soon. They can also be upgraded to solar and wetback heating too.

Enamel Mains Pressure

Designed to adapt to your installation needs these cylinders are available as indoor or outdoor models. There is also an under-sink model. They can be retrofitted to future proof a low pressure system or is the standard in mains pressure.

Copper Low Pressure

Designed for those wanting an economical solution. These are the lowest cost cylinders and therefore ideal if you need a replacement. The cylinder also comes in under-sink models.

PEOPLE	CYLINDER SIZE
Up to 3	135 L
4	180 L
5	215 L
6	250 L / 270 L
7	300 L / 340 L

Wetback Page 30, 31 & 34

We have a range of mains pressure cylinders designed to connect to secondary heat sources including wetback wood burning fireplaces. Wetback connections allow your fire to heat some of your water in the winter months, saving energy and costs on heating water. You still have to stack the wood though.

Electric Hot Water Heat Pump Page 36 - 41

Rinnai's hot water heat pump is perfect for households that want to reduce long-term running costs and their carbon footprint. Water is heated by a heat pump and stored in the cylinder. A hot water heat pump can be retrofitted easily to almost any brand of electric hot water cylinder.

Gas Water Heating Specifications

Gas Continuous Flow – Indoor and Outdoor Rinnai INFINITY® Range

RINNAI INFINITY® MODEL		VT16	VT20	VT24	VT26	HD200	HDi200	HD250	EF24	EF250	EFi250
Part Number	LPG	INFVT16L	INFVT20L	INFVT24L	INFVT26L*	INFHD200HNCL	INFHD200FFHNCL	INFHD250HNCL	EFF24NCL	INFEF250L	INFEF250FFL
	NG	INFVT16N	INFVT20N	INFVT24N	INFVT26N	INFHD200HNCN	INFHD200FFHNCN	INFHD250HNCN	EFF24NCN	INFEF250N	INFEF250FFN
Suitable for		1bth	2bth	2bth+	2bth+	2bth+	2bth+	2bth+	2bth	2bth+	2bth+
Mounting		External	External	External	External	External	Internal	External	External	External	Internal
Hot water capacity	L/min	1.5 - 16	1.8 - 20	1.8 - 24	1.8 - 26	2.4 - 30	2.4 - 32	2.4 - 37	2.4 - 30	1.5 - 37	1.5 - 37
Nominal water capacity**	L/min	16	20	24	26	26	26	32	24	32	32
Height	mm	530	530	530	530	600	600	600	600	654	654
Width	mm	350	350	350	350	350	350	470	350	470	470
Depth	mm	194	194	194	194	250	235-275	244	277	283.1	257-307
Thermal	%	81	80	80	80	82	83	81	95	95	95
Weight	kg	15	16	17	17	21	21	29	27	32	32

*Note: 65°C and 75°C are available as preset temperature settings for commercial applications. * For hard water area's, ask us about the benefits of a Heavy Duty model. ** Raised 25°C*

Digital Controllers

CONTROLLER	CODE	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)
Compact	MC912A	120	90	20
Bathroom Deluxe	BC100V1Z	97	195	22
Kitchen Deluxe	MC100V1Z	120	128	20
Wireless Remote*	MC503S	142	66.6	28

**Needs Transceiver MC503M*

Outdoor Accessories

MODEL	CODE	SUITABLE FOR	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)
RECESS BOX					
Composite Recess Box	R1406	All VT Products	1086	446	240 (approx with cover)
Metal Recess Box	R1405	All VT Products	944	417	205
Metal Recess Box	R1407	HD200, HD250, EF24	944	514	270
FLUE DIVERTERS					
Upwards Flue Diverter	FDU16	VT16	-	-	-
Upwards Flue Diverter	FDU20	VT20	-	-	-
Upwards Flue Diverter	FDU24	VT24, VT26	-	-	-
Upwards Flue Diverter	FDU32	HD250	-	-	-
Sideways Flue Diverter	FDS16	VT16	385	140	60
Sideways Flue Diverter	FDS20	VT20	385	140	60
Sideways Flue Diverter	FDS24	VT24, VT26	385	140	60
PIPE COVERS					
Pipe Cover	R1385	All VT Products	438	334	167
Pipe Cover	R1408SC	HD200	448	334	230
Pipe Cover	R1402SC	HD250	438	453	230
Pipe Cover	R1408	EF24	448	334	230
Pipe Cover	R1409	EF250	470	460	240
SECURITY BRACKET					
Security Bracket	ACC1395	All INFINITY® Products	70	190	33.5

iHeat® Central Heating System Dimensions and Clearances

UNIT	MODEL	Appliance				Minimum Clearance Above Unit (mm)	Minimum Clearance Each Side of Unit (mm)	Minimum Clearance Front & Behind Unit (mm)
		Height (mm)	Width (mm)	Length (mm)	Weight (kg)			
iHeat® Ceiling Installation	RAHU20	600	790	1135	50	450	750	1000
iHeat® Subfloor Installation	RAHU20	910	790	1135	50	450	750	1000

iHeat® Central Heating System Additional Features

UNIT	MODEL	DUCTED	Recommended Number of Outlets	Zone Heat Area m² (up to) Area heated relevant to your geographical area			Sensitive Choice	NATURAL GAS	LPG	kW HEAT OUTPUT		Thermostat Controlled	Speed Fan	Manual Control	Air Filter
				Upper North Island	Central & lower North Island	South Island				Max. Output (kW)	Low. Output (kW)				
IHEAT®	RAHU20	✓	6-12	333*	285*	250*	✓	✓	✓	20	6	✓	3	✓	✓

* Each house will vary in zone heat area due to the amount of insulation, number and size of windows, floor structure etc

Electric Hot Water Cylinder Specifications

Stainless Steel Indoor Mains Pressure

CODE	LITRES	DIAMETER	HEIGHT	KW	EXTRAS	
MS13555030	135	550	1015	3kW		
MS13555020	135	550	1015	2kW		
MS18055030	180	550	1295	3kW		•
MS18055030A	180	550	1295	3kW	ART	•
MS18055020	180	550	1295	2kW		•
MS18055020A	180	550	1295	2kW	ART	•
MS25055030	250	550	1730	3kW		•
MS25055030A	250	550	1730	3kW	ART	•
MS25055020	250	550	1730	2kW		•
MS25055020A	250	550	1730	2kW	ART	•
MS250550D30	250	550	1730	2 x 3kW	DE	•
MS250550D30A	250	550	1730	2 x 3kW	DE, ART	•
MS250550D20	250	550	1730	2 x 2kW	DE	•
MS250550D20A	250	550	1730	2 x 2kW	DE, ART	•
MS250550U30	250	550	1730	3kW	UE	•
MS250550U30A	250	550	1730	3kW	UE, ART	•
MS250550U20	250	550	1730	2kW	UE	•
MS250550U20A	250	550	1730	2kW	UE, ART	•
MS30055030	300	550	2045	3kW		•
MS30055030A	300	550	2045	3kW	ART	•
MS30055020	300	550	2045	2kW		•
MS30055020A	300	550	2045	2kW	ART	•
MS300550D30	300	550	2045	2 x 3kW	DE	•
MS300550D30A	300	550	2045	2 x 3kW	DE, ART	•
MS300550D20	300	550	2045	2 x 2kW	DE	•
MS300550D20A	300	550	2045	2 x 2kW	DE, ART	•
MS300550U30	300	550	2045	3kW	UE	•
MS300550U30A	300	550	2045	3kW	UE, ART	•
MS300550U20	300	550	2045	2kW	UE	•
MS300550U20A	300	550	2045	2kW	UE, ART	•

ENERGY CUT-OUT THERMOSTAT FITTED
Warranty: 20yr Cylinder, 1yr Parts

DE = Dual Element | UE = Upper Element
ART = Auto Reset Thermostat | • = Solar Ready

Stainless Steel Indoor Low Pressure

CODE	LITRES	DIAMETER	HEIGHT	KW		
LS13555020	135	550	1015	2kW		
LS13555030	135	550	1015	3kW		
LS18055030	180	550	1295	3kW		
LS18055030A	180	550	1295	3kW	ART	•
LS18055020	180	550	1295	2kW		•
LS18055020A	180	550	1295	2kW	ART	•
LS25055030	250	550	1740	3kW		•
LS25055030A	250	550	1740	3kW	ART	•
LS25055020	250	550	1740	2kW		•
LS25055020A	250	550	1740	2kW	ART	•
LS250550D30	250	550	1740	2 x 3kW	DE	•
LS250550D30A	250	550	1740	2 x 3kW	DE, ART	•
LS250550D20	250	550	1740	2 x 2kW	DE,	•
LS250550D20A	250	550	1740	2 x 2kW	DE, ART	•
LS250550U30	250	550	1740	3kW	UE	•
LS250550U30A	250	550	1740	3kW	UE, ART	•
LS250550U20	250	550	1740	2kW	UE	•
LS250550U20A	250	550	1740	2kW	UE, ART	•
LS30055030	300	550	2055	3kW		•
LS30055030A	300	550	2055	3kW	ART	•
LS30055020	300	550	2055	2kW		•
LS30055020A	300	550	2055	2kW	ART	•
LS300550D30	300	550	2055	2 x 3kW	DE	•
LS300550D30A	300	550	2055	2 x 3kW	DE, ART	•
LS300550D20	300	550	2055	2 x 2kW	DE	•
LS300550D20A	300	550	2055	2 x 2kW	DE, ART	•
LS300550U30	300	550	2055	3kW	UE	•
LS300550U30A	300	550	2055	3kW	UE, ART	•
LS300550U20	300	550	2055	2kW	UE	•
LS300550U20A	300	550	2055	2kW	UE, ART	•

ENERGY CUT-OUT THERMOSTAT FITTED
Warranty: 10yr Cylinder, 1yr Parts

DE = Dual Element | UE = Upper Element
ART = Auto Reset Thermostat | • = Solar Ready

Stainless Steel Indoor Mains Pressure Non-Thermosiphon - Single & Twin Coil

CODE	LITRES	DIAMETER	HEIGHT	KW	EXTRAS	
SINGLE COIL						
MS190550C30	190	550	1380	3kW		•
MS190550C20	190	550	1380	2kW		•
MS190550CU30	190	550	1380	3kW	UE	•
MS190550CU20	190	550	1380	2kW	UE	•
MS250550C30	250	550	1730	3kW		•
MS250550C20	250	550	1730	2kW		•
MS250550CD30	250	550	1730	2 x 3kW	DE	•
MS250550CD20	250	550	1730	2 x 2kW	DE	•
MS250550CU30	250	550	1730	3kW	UE	•
MS250550CU20	250	550	1730	2kW	UE	•
MS300550C30	300	550	2045	3kW		•
MS300550C20	300	550	2045	2kW		•
MS300550CD30	300	550	2045	2 x 3kW	DE	•
MS300550CD20	300	550	2045	2 x 2kW	DE	•
MS300550CU30	300	550	2045	3kW	UE	•
MS300550CU20	300	550	2045	2kW	UE	•
TWIN COIL						
MS250550CC30	250	550	1730	3kW		•
MS250550CC20	250	550	1730	2kW		•
MS250550CCD30	250	550	1730	2 x 3kW	DE	•
MS250550CCD20	250	550	1730	2 x 2kW	DE	•
MS250550CCU30	250	550	1730	3kW	UE	•
MS250550CCU20	250	550	1730	2kW	UE	•
MS300550CC30	300	550	2045	3kW		•
MS300550CC20	300	550	2045	2kW		•
MS300550CCD30	300	550	2045	2 x 3kW	DE	•
MS300550CCD20	300	550	2045	2 x 2kW	DE	•
MS300550CCU30	300	550	2045	3kW	UE	•
MS300550CCU20	300	550	2045	2kW	UE	•

AUTO RESET THERMOSTAT FITTED
Warranty: 10yr Cylinder, 1yr Parts

DE = Dual Element | UE = Upper Element
• = Solar Ready

Stainless Steel Indoor Mains Pressure Thermosiphon – Single & Twin Coil

CODE	LITRES	DIAMETER	HEIGHT	KW	EXTRAS	
SINGLE COIL						
MS250550CT30	250	550	1740	3kW		•
MS250550CT20	250	550	1740	2kW		•
MS250550CTD30	250	550	1740	2 x 3kW	DE	•
MS250550CTD20	250	550	1740	2 x 2kW	DE	•
MS250550CTU30	250	550	1740	3kW	UE	•
MS250550CTU20	250	550	1740	2kW	UE	•
MS300550CT30	300	550	2030	3kW		•
MS300550CT20	300	550	2030	2kW		•
MS300550CTD30	300	550	2030	2 x 3kW	DE	•
MS300550CTD20	300	550	2030	2 x 2kW	DE	•
MS300550CTU30	300	550	2030	3kW	UE	•
MS300550CTU20	300	550	2030	2kW	UE	•
TWIN COIL						
MS250550CCT30	250	550	1740	3kW		•
MS250550CCT20	250	550	1740	2kW		•
MS250550CCTD30	250	550	1740	2 x 3kW	DE	•
MS250550CCTD20	250	550	1740	2 x 2kW	DE	•
MS250550CCTU30	250	550	1740	3kW	UE	•
MS250550CCTU20	250	550	1740	2kW	UE	•
MS300550CCT30	300	550	2030	3kW		•
MS300550CCT20	300	550	2030	2kW		•
MS300550CCTD30	300	550	2030	2 x 3kW	DE	•
MS300550CCTD20	300	550	2030	2 x 2kW	DE	•
MS300550CCTU30	300	550	2030	3kW	UE	•
MS300550CCTU20	300	550	2030	2kW	UE	•

AUTO RESET THERMOSTAT FITTED
Warranty: 10yr Cylinder, 1yr Parts

DE = Dual Element | UE = Upper Element
• = Solar Ready

Electric Hot Water Cylinder Specifications

Enamel Indoor Mains Pressure

CODE	LITRES	DIAMETER	HEIGHT	KW	EXTRAS	
UNDERSINK						
MEUS03040015	30	400	540	1.5kW		
MEUS03040030	30	400	540	3kW		
MEUS05048815	50	488	615	1.5kW		
MEUS05048830	50	488	615	3kW		
CLASSIC						
ME09048830	90	488	995	3kW		
ME09048820	90	488	995	2kW		
ME13548830	135	488	1295	3kW		
ME13548820	135	488	1295	2kW		
ME18048830	180	488	1660	3kW		
ME18048820	180	488	1660	2kW		
ME18059030	180	590	1190	3kW		•
ME18059030A	180	590	1190	3kW	ART	•
ME18059020	180	590	1190	2kW		•
ME18059020A	180	590	1190	2kW	ART	•
ME180590D30	180	590	1190	2 x 3kW	DE	•
ME180590D30A	180	590	1190	2 x 3kW	DE, ART	•
ME180590D20	180	590	1190	2 x 2kW	DE	•
ME180590D20A	180	590	1190	2 x 2kW	DE, ART	•
ME180590U30	180	590	1190	3kW	UE	•
ME180590U30A	180	590	1190	3kW	UE, ART	•
ME180590U20	180	590	1190	2kW	UE	•
ME180590U20A	180	590	1190	2kW	UE, ART	•
ME25059030	250	590	1580	3kW		•
ME25059030A	250	590	1580	3kW	ART	•
ME25059020	250	590	1580	2kW		•
ME25059020A	250	590	1580	2kW	ART	•
ME250590D30	250	590	1580	2 x 3kW	DE	•
ME250590D30A	250	590	1580	2 x 3kW	DE, ART	•
ME250590D20	250	590	1580	2 x 2kW	DE	•
ME250590D20A	250	590	1580	2 x 2kW	DE, ART	•
ME250590U30	250	590	1580	3kW	UE	•
ME250590U30A	250	590	1580	3kW	UE, ART	•
ME250590U20	250	590	1580	2kW	UE	•
ME250590U20A	250	590	1580	2kW	UE, ART	•
ME30059030	300	590	1790	3kW		•
ME30059030A	300	590	1790	3kW	ART	•
ME30059020	300	590	1790	2kW		•
ME30059020A	300	590	1790	2kW	ART	•
ME300590D30	300	590	1790	2 x 3kW	DE	•
ME300590D30A	300	590	1790	2 x 3kW	DE, ART	•
ME300590D20	300	590	1790	2 x 2kW	DE	•
ME300590D20A	300	590	1790	2 x 2kW	DE, ART	•
ME300590U30	300	590	1790	3kW	UE	•
ME300590U30A	300	590	1790	3kW	UE, ART	•
ME300590U20	300	590	1790	2kW	UE	•
ME300590U20A	300	590	1790	2kW	UE, ART	•

ENERGY CUT-OUT THERMOSTAT FITTED

Warranty: 5yr Cylinder, 1yr Parts

DE = Dual Element | UE = Upper Element
ART = Auto Reset Thermostat | • = Solar Ready

Enamel Outdoor/Indoor Mains Pressure – Hotflo™

CODE	LITRES	DIAMETER	HEIGHT	KW	
CYLGE13520	135	515	1245	2kW	•
CYLGE18020	180	515	1530	2kW	•
CYLGE18030	180	515	1530	3kW	•
CYLGE18036	180	515	1530	3.6kW	•
CYLGE21536	215	515	1825	3.6kW	•
CYLGE27036	270	685	1265	3.6kW	•
CYLGE34036	340	685	1510	3.6kW	•

ENERGY CUT-OUT THERMOSTAT FITTED

Warranty: 5yr Cylinder, 1yr Parts

• = Solar Ready

Copper Indoor Low Pressure

Including Undersink & Wetback

CODE	LITRES	DIAMETER	HEIGHT	KW
UNDERSINK				
LCUS00934010	9	340	305	1 kW
LCUS01434010	14	340	415	1 kW
LCUS02234010	22	340	575	1 kW
LCUS04444515	44	445	585	1.5 kW
CLASSIC				
LC04444515	44	445	585	1.5kW
LC09043020	90	430	1115	2kW
LC09050020	90	500	820	2kW
LC09053020	90	530	745	2kW
LC13547020	135	470	1315	2kW
LC13550020	135	500	1165	2kW
LC13551020	135	510	1170	2kW
LC13553020	135	530	1055	2kW
LC13554020	135	540	1035	2kW
LC13555020	135	550	980	2kW
LC18051030	180	510	1495	3kW
LC18051020	180	510	1495	2kW
LC18053030	180	530	1370	3kW
LC18053020	180	530	1370	2kW
LC18054030	180	540	1320	3kW
LC18054020	180	540	1320	2kW
LC18055030	180	550	1265	3kW
LC18055020	180	550	1265	2kW
LC22555030	225	550	1540	3kW
LC22560030	225	600	1540	3kW

ENERGY CUT-OUT THERMOSTAT FITTED

Warranty: 5yr Cylinder, 1yr Parts

WETBACK				
LCW13547020	135	470	1315	2kW
LCW13550020	135	500	1165	2kW
LCW13551020	135	510	1170	2kW
LCW13553020	135	530	1055	2kW
LCW13554020	135	540	1035	2kW
LCW13555020	135	550	980	2kW
LCW18051030	180	510	1495	3kW
LCW18051020	180	510	1495	2kW
LCW18053030	180	530	1370	3kW
LCW18053020	180	530	1370	2kW
LCW18054030	180	540	1320	3kW
LCW18054020	180	540	1320	2kW
LCW18055030	180	550	1265	3kW
LCW18055020	180	550	1265	2kW
LCW22555030	225	550	1540	3kW
LCW22560030	225	600	1540	3kW

LOOSE RISER, BOTTOM ENTRY WETBACK | ENERGY CUT-OUT THERMOSTAT **NOT** FITTED

Warranty: 5yr Cylinder, 1yr Parts

Technical information

Electric Hot Water Cylinder Specifications

Cylinder Accessories & Spares

CODE	SPECS	
CYLINDER EXTRAS		
CODTP495	495 x 495	ABS PLASTIC DRIP TRAY
CODTP545	545 x 545	ABS PLASTIC DRIP TRAY
CODTP585	585 x 585	ABS PLASTIC DRIP TRAY
CODTP625	625 x 625	ABS PLASTIC DRIP TRAY
COGADT500	500 x 500	GALVANISED DRIP TRAY
COGADT600	600 x 600	GALVANISED DRIP TRAY
COSEISRES		SEISMIC RESTRAINT
LOW PRESSURE SPARES		
30023	1.0 kW ELEMENT - LP CLASSIC	
30024	1.5 kW ELEMENT - LP CLASSIC	
30025	2.0 kW ELEMENT - LP CLASSIC	
30026	3.0 kW ELEMENT - LP CLASSIC	
30027	7" THERMOSTAT INC RESET - LP CLASSIC	
30028	7" THERMOSTAT NO RESET - LP CLASSIC WETBACK	
30031	7" DAIRY THERMOSTAT	
30002	2kW CURVED LOWER ELEMENT - STAINLESS STEEL	
30003	2kW STRAIGHT UPPER ELEMENT - STAINLESS STEEL	
30004	3kW CURVED LOWER ELEMENT - STAINLESS STEEL	
30005	3kW STRAIGHT UPPER ELEMENT - STAINLESS STEEL	
MAINS PRESSURE SPARES		
30000	2kW CURVED LOWER ELEMENT - MP CLASSIC	
30001	3kW CURVED LOWER ELEMENT - MP CLASSIC	
30002	2kW CURVED LOWER ELEMENT - STAINLESS STEEL	
30003	2kW STRAIGHT UPPER ELEMENT - STAINLESS / CLASSIC	
30004	3kW CURVED LOWER ELEMENT - STAINLESS STEEL	
30005	3kW STRAIGHT UPPER ELEMENT - STAINLESS / CLASSIC	
30006	3kW CURVED TITANIUM ELEMENT	
30007	1.5kW ELEMENT - MP CLASSIC UNDERSINK	
30008	3kW ELEMENT - MP CLASSIC UNDERSINK	
30011	T/STAT STANLESS STEEL - YELLOW DIAL ROBERT SHAW	
30014	T/STAT - MP CLASSIC - BLACK DIAL ROBERT SHAW	
30015	T/STAT AUTO RESET - RED DIAL ROBERT SHAW	
30016	MAINS PRESSURE RETRO FIT THERMOSTAT KIT	
30017	SOLAR PROBE POCKET	
30018	TPR VALVE	
30019	MP ELEMENT COVER BOX	
30020	MP ELEMENT KEY	
30022	MP ELEMENT GASKET	
BOIL & BREW™ – AUTOMATIC BOILING WATER DISPENSER SPARES		
BEL004	B&B 2KW ELEMENT	
BEL004NP	B&B 2kW NICKLE PLATED ELEMENT	
BEL005	B&B 2.4kW ELEMENT	
BEL006	B&B 3kW BOIL AND BREW™	
BMT001	B&B URN TAP TOP PLASTIC	
BMT002	B&B URN TAP COMPLETE - INCUDING TAIL	
BMT003	B&B URN TAP DIAPHRAM	
BMT009	B&B FAUCET O RING	
BMT010	B&B 80MM BALLCOCK FLOAT	
BMT011	B&B BALLCOCK WASHER 3/4" SET OF 3	
BMT012	B&B ELEMENT GASKET	
BMT013	B&B BRASS BALLCOCK BLOCK	
BMT014	B&B NICKLE PLATED BRASS BALLCOCK BLOCK	
BMT015	B&B BALLCOCK ASMBLY COMPLETE	
BMT015A	B&B BALLCOCK ASMBLY COMPLETE INC WASHERS	
BMT016	B&B BALLCOCK VALVE SEAL 8MM	
BMT017	B&B WASHER DRAIN BOSS 1/2" FIBRE	
BMT018	B&B BRASS TRANSFER BOLT	
BMT019	B&B CONTROL TANK SEAL	
BMT020	B&B WASHER KIT	
BTS007	B&B MAIN THERMOSTAT	
BTS008	B&B RESET THERMOSTAT	

Hot Water Heat Pump

RINNAI MODEL		Hotflo™ Hot Water Heat Pump
Part Number		RHPM1S32
Suitable for		Domestic
Mounting		External
Output*	kW	6.0
Air Temperature Operating Range	°C	-7 to 45
Water Temperature Setting	°C	60
Height	mm	765
Width	mm	790
Depth	mm	325
Outlet Height	mm	655
Inlet Height	mm	600
Max. Electrical consumption	kW	1.9
Weight	kg	60
Max. Water pressure	kPa	850

*Output varies with air temperature, humidity and water temperature conditions.

THE RINNAI HEAT PUMP IS COMPATIBLE WITH THE HJ COOPER™ PREMIUM RANGE AND RINNAI HOTFLO™ CYLINDERS

Warranty: 3 years

Boil & Brew™ Instant Hot Water Dispensers

CODE	LITRES	DIAMETER	HEIGHT	KW
AW0500	5	301	426	2kW
AW1000	10	341	584	2.4kW
AW1500	15	341	584	2.4kW
AW2500	25	421	584	3kW
AW3500	35	550	645	2 x 2.4kW

Warranty: 5yr Tank, 1yr Parts

References

[1] Savings are for Rinnai INFINITY® EF250 and EFi250 model running on Natural Gas and LPG in Auckland.

[2] Modelled to AS/NZS 4234:2008 for medium sized house of 4-5 people. Actual Savings may vary. Energy rates as at 14 June 2013 excluding any fixed charges. Electricity is Genesis Energy Auckland City Household plan variable anytime rate including GST and excluding prompt payment discount at 27.53 c/kWh. Natural Gas is Genesis Energy Auckland City Lifestyle plan including GST and excluding prompt payment discount at 7.37 c/kWh. LPG is Genesis Energy Auckland city including GST 45kg cylinders delivered at $96.53/45kg cylinder.

[3] Savings are for Rinnai INFINITY® VT26 model running on Natural Gas and LPG in Auckland.

[4] Savings are for Rinnai INFINITY® HD250 and HDi200 model running on Natural Gas and LPG in Auckland.

[5] Please see http://www.rinnai.co.nz for warranty details.

[6] Examples of water quality issues where the water may need to be treated prior to contact with Rinnai's systems are Hard Water areas such as in Wanganui, Aggressive Water like some areas of Christchurch and bore water that may be hard and/or aggressive. The above water chemistries will void the warranty.

[7] Rinnai INFINITY® VT models manufactured after July 2011.

[8] Hotflo™ cylinders can be used with solar collectors that use potable water as the heat transfer medium in the solar panels.

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